

1600

RAW SEQUENCE LISTING

DATE: 05/14/2001

PATENT APPLICATION: US/09/610,134

TIME: 10:16:48

Input Set : A:\5538-1010seqlisting.txt

Output Set: N:\CRF3\05142001\I610134.raw

3 <110> APPLICANT: Eric Potter Clarkson
 5 <120> TITLE OF INVENTION: Methods and compositions for desensitisation
 7 <130> FILE REFERENCE: 5538/1010
 9 <140> CURRENT APPLICATION NUMBER: US 09/610,134
 C--> 10 <141> CURRENT FILING DATE: 2000-05-07
 12 <150> PRIOR APPLICATION NUMBER: PCT/GB99/00080
 13 <151> PRIOR FILING DATE: 1999-01-11
 15 <150> PRIOR APPLICATION NUMBER: GB/9800445.0
 16 <151> PRIOR FILING DATE: 1998-01-09
 18 <150> PRIOR APPLICATION NUMBER: GB/9820474.6
 19 <151> PRIOR FILING DATE: 1998-09-21
 21 <160> NUMBER OF SEQ ID NOS: 124
 23 <170> SOFTWARE: PatentIn version 3.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 17
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Felis catus
 30 <400> SEQUENCE: 1
 32 Leu Phe Leu Thr Gly Thr Pro Asp Glu Tyr Val Glu Gln Val Ala Gln
 33 1 5 10 15
 35 Tyr
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 16
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Felis catus
 43 <400> SEQUENCE: 2
 45 Glu Gln Val Ala Gln Tyr Lys Ala Leu Pro Val Val Leu Glu Asn Ala
 46 1 5 10 15
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 17
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Felis catus
 53 <400> SEQUENCE: 3
 55 Lys Ala Leu Pro Val Val Leu Glu Asn Ala Arg Ile Leu Lys Asn Cys
 56 1 5 10 15
 58 Val
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 70
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Felis catus
 66 <400> SEQUENCE: 4
 68 Glu Ile Cys Pro Ala Val Lys Asp Arg Val Asp Leu Phe Leu Thr Gly
 69 1 5 10 15

ENTERED
 Sec P 5

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77 Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys Ile
78      50      55      60
80 Tyr Thr Ser Pro Leu Cys
81 65      70
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 92
85 <212> TYPE: PRT
86 <213> ORGANISM: Felis catus
88 <400> SEQUENCE: 5
90 Val Lys Met Ala Glu Thr Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala
91 1      5      10      15
93 Val Ala Asn Gly Asn Glu Leu Leu Leu Lys Leu Ser Leu Thr Lys Val
94      20      25      30
96 Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys Ile Gln Asp Cys
97      35      40      45
99 Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val Met
100      50      55      60
102 Thr Thr Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn
103 65      70      75      80
105 Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg
106      85      90
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 17
110 <212> TYPE: PRT
111 <213> ORGANISM: Felis catus
113 <400> SEQUENCE: 6
115 Glu Ile Cys Pro Ala Val Lys Arg Asp Val Asp Leu Phe Leu Thr Gly
116 1      5      10      15
118 Thr
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 17
123 <212> TYPE: PRT
124 <213> ORGANISM: Felis catus
126 <400> SEQUENCE: 7
128 Arg Ile Leu Lys Asn Cys Val Asp Ala Lys Met Thr Glu Glu Asp Lys
129 1      5      10      15
131 Glu
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 16
136 <212> TYPE: PRT
137 <213> ORGANISM: Felis catus
139 <400> SEQUENCE: 8
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142 1      5      10      15
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 16
146 <212> TYPE: PRT
147 <213> ORGANISM: Felis catus

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151 Lys Glu Asn Ala Leu Ser Val Leu Asp Lys Ile Tyr Thr Ser Pro Leu
152 1 5 10 15
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 16
156 <212> TYPE: PRT
157 <213> ORGANISM: Felis catus
158 <400> SEQUENCE: 10
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162 1 5 10 15
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 17
166 <212> TYPE: PRT
167 <213> ORGANISM: Felis catus
168 <400> SEQUENCE: 11
171 Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala Val Ala Asn Gly Asn Glu
172 1 5 10 15
174 Leu
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 16
179 <212> TYPE: PRT
180 <213> ORGANISM: Felis catus
181 <400> SEQUENCE: 12
184 Gly Asn Glu Leu Leu Lys Leu Ser Leu Thr Lys Val Asn Ala Thr
185 1 5 10 15
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 16
189 <212> TYPE: PRT
190 <213> ORGANISM: Felis catus
191 <400> SEQUENCE: 13
194 Leu Thr Lys Val Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys
195 1 5 10 15
197 <210> SEQ ID NO: 14
198 <211> LENGTH: 16
199 <212> TYPE: PRT
200 <213> ORGANISM: Felis catus
201 <400> SEQUENCE: 14
204 Thr Ala Met Lys Lys Ile Gln Asp Cys Tyr Val Glu Asn Gly Leu Ile
205 1 5 10 15
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 16
209 <212> TYPE: PRT
210 <213> ORGANISM: Felis catus
211 <400> SEQUENCE: 15
214 Cys Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val
215 1 5 10 15
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 16
219 <212> TYPE: PRT

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Input Set : A:\5538-1010seqlisting.txt

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222 <400> SEQUENCE: 16

224 Ser Arg Val Leu Asp Gly Leu Val Met Thr Thr Ile Ser Ser Ser Lys

225 1 5 10 15

227 <210> SEQ ID NO: 17

228 <211> LENGTH: 16

229 <212> TYPE: PRT

230 <213> ORGANISM: Felis catus

232 <400> SEQUENCE: 17

234 Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn Thr Val

235 1 5 10 15

237 <210> SEQ ID NO: 18

238 <211> LENGTH: 16

239 <212> TYPE: PRT

240 <213> ORGANISM: Felis catus

242 <400> SEQUENCE: 18

244 Ala Val Gln Asn Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg

245 1 5 10 15

247 <210> SEQ ID NO: 19

248 <211> LENGTH: 320

249 <212> TYPE: PRT

250 <213> ORGANISM: Dermatophagoides pteronyssinus

252 <400> SEQUENCE: 19

254 Met Lys Ile Val Leu Ala Ile Ala Ser Leu Leu Ala Leu Ser Ala Val

255 1 5 10 15

257 Tyr Ala Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala

258 20 25 30

260 Phe Asn Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys

261 35 40 45

263 Asn Phe Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile

264 50 55 60

266 Asn His Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu

267 65 70 75 80

269 Met Ser Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn

270 85 90 95

272 Ala Glu Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile

273 100 105 110

275 Asp Leu Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly

276 115 120 125

278 Cys Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala

279 130 135 140

281 Tyr Leu Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu

282 145 150 155 160

284 Val Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg

285 165 170 175

287 Gly Ile Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr

288 180 185 190

290 Arg Tyr Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg

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294      210      215      220
296 Ile Arg Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile
297 225      230      235      240
299 Gly Ile Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile
300      245      250      255
302 Ile Gln Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile
303      260      265      270
305 Val Gly Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn
306      275      280      285
308 Ser Trp Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala
309      290      295      300
311 Asn Ile Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
312 305      310      315      320
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 146
316 <212> TYPE: PRT
317 <213> ORGANISM: Dermatophagoides pteronyssinus
319 <400> SEQUENCE: 20
321 Met Met Tyr Lys Ile Leu Cys Leu Ser Leu Leu Val Ala Ala Val Ala
322 1      5      10      15
324 Arg Asp Gln Val Asp Val Lys Asp Cys Ala Asn His Glu Ile Lys Lys
325      20      25      30
327 Val Leu Val Pro Gly Cys His Gly Ser Glu Pro Cys Ile Ile His Arg
328      35      40      45
330 Gly Lys Pro Phe Gln Leu Glu Ala Val Phe Glu Ala Asn Gln Asn Thr
331      50      55      60
333 Lys Thr Ala Lys Ile Glu Ile Lys Ala Ser Ile Asp Gly Leu Glu Val
334 65      70      75      80
336 Asp Val Pro Gly Ile Asp Pro Asn Ala Cys His Tyr Met Lys Cys Pro
337      85      90      95
339 Leu Val Lys Gly Gln Gln Tyr Asp Ile Lys Tyr Thr Trp Asn Val Pro
340      100      105      110
342 Lys Ile Ala Pro Lys Ser Glu Asn Val Val Val Thr Val Lys Val Met
343      115      120      125
345 Gly Asp Asp Gly Val Leu Ala Cys Ala Ile Ala Thr His Ala Lys Ile
346      130      135      140
348 Arg Asp
349 145
351 <210> SEQ ID NO: 21
352 <211> LENGTH: 261
353 <212> TYPE: PRT
354 <213> ORGANISM: Dermatophagoides pteronyssinus
356 <400> SEQUENCE: 21
358 Met Ile Ile Tyr Asn Ile Leu Ile Val Leu Leu Leu Ala Ile Asn Thr
359 1      5      10      15
361 Leu Ala Asn Pro Ile Leu Pro Ala Ser Pro Asn Ala Thr Ile Val Gly
362      20      25      30
364 Met Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\5538-1010seqlisting.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:421 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:473 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1280 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID# 43
L:1280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 43
L:3610 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:91
L:3610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 91
L:3613 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID# 91
L:3613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 91
L:3634 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID# 92
L:3634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 92
L:4955 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID# 112
L:4955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:4958 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:112
L:4958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112